

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (08-00)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. JYG106USA

First Inventor Joel S. Rossier

Title MECHANICAL CONTROL OF FLUIDS IN MICRO-ANALYTICAL DEVICES

Express Mail Label No. ET033641948US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☐ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 19]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 11]
5. Oath or Declaration [Total Pages 1]
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 17 completed)
    - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☐ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Other: .....

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information:

Examiner: \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been specifically identified from the submitted application parts.

## 18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

PATENT TRADEMARK OFFICE

or ☒ Correspondence address below

(Insert Customer No. or Attach Bar code label here)

Name	George A. Smith, Jr. 24,442				
Address	Box 457				
City	Spring House	State	PA	Zip Code	19477
Country	USA	Telephone	215-540-9200	Fax	215-540-5818

Name (Print/Type)	George A. Smith, Jr.	Registration No. (Attorney/Agent)	24,442
Signature	[Signature]		Date 3/19/01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

03-20-01

A

jc962 U.S. PTO



03/19/01

HOWSON AND HOWSON

ATTORNEYS AT LAW

*Established 1853 Philadelphia*

SPRING HOUSE CORPORATE CENTER  
321 NORRISTOWN ROAD  
P.O. BOX 457  
SPRING HOUSE, PA 19477

PATENTS TRADEMARKS COPYRIGHTS

TELEPHONE (215) 540-9200

FACSIMILE (215) 540-5818

E-MAIL: TSMITH@HOWSONPAT.COM

TELEPHONE: 215 540 9204

STANLEY B. KITA  
GEORGE ANTHONY SMITH, JR  
MARY ELIZABETH BAK  
CATHY A. KODROFF  
WILLIAM BAK  
CHARLES M. ALLEN  
HENRY HANSEN

Reg. Patent Agents  
TRACY U. PALOVICH, PhD  
IRENE J. FRANGOS

Counsel  
WILSON OBERDORFER

March 19, 2001

BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

We enclose herewith the following documents constituting a patent application entitled "MECHANICAL CONTROL OF FLUIDS IN MICRO-ANALYTICAL DEVICES":

- (a) 15 pages specification
- (b) 3 pages claims (12 claims)
- (c) 1 page abstract
- (d) 11 sheets drawing

The inventors are the following five individuals:

Joel S. Rossier, a Swiss citizen  
Chammosaire 2,  
1860 Aigle  
Switzerland

Hye Jin Lee a Korean citizen  
813 Eagle Heights, Apt. F.  
Madison, Wisconsin 53705  
U.S.A.

Xiaoxia Bai a Chinese citizen  
Ch. de la Tour-Grise 6  
1007 Lausanne  
Switzerland

**Express Mail No.: ET033641948US**

Assistant Commissioner for Patents  
March 19, 2001  
Page 2

Frédéric Reymond  
Ch. des Marionnettes 15  
1093 La Conversation  
Switzerland

a Swiss citizen

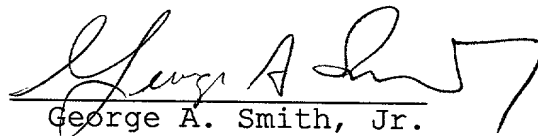
Hubert H. Girault  
En Verney  
1088 Ropraz  
Switzerland

a French citizen

The filing fee and declaration signed by the inventors will follow with the required surcharge. Please direct the notice to file missing parts, and other correspondence concerning this application to:

George A. Smith, Jr.  
Reg. No. 24,442  
Howson & Howson  
Box 457  
Spring House, PA 19477  
Telephone: 215 540 9200  
Facsimile: 215 540 5818

Respectfully submitted,  
HOWSON & HOWSON

By   
George A. Smith, Jr.